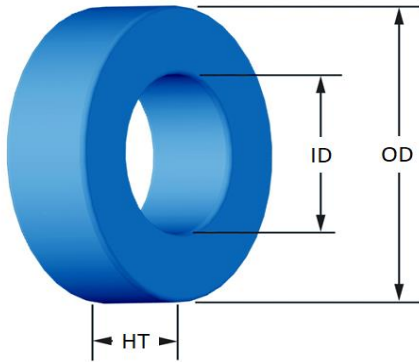




Part Number: **OC-226060-2**

Revision: 2023-Dec-06



(If coated, Max./Min. includes coating)

	mm	in	
<b>OD</b>	(nom. - bare core) 57.15 (max.) 58.04	2.250 2.285	
<b>ID</b>	(nom. - bare core) 26.39 (min.) 25.58	1.039 1.007	
<b>HT</b>	(nom. - bare core) 15.24 (max.) 16.13	0.600 0.635	
<b>Mass</b>	(approximate)	190 grams	
<b>Magnetic Dimensions</b>	$A_e$ - Eff. Mag. Cross Section	2.29	cm <sup>2</sup>
	$L_e$ - Eff. Mag. Path Length	12.506	cm
	$V_e$ - Eff. Core Volume	28.6	cm <sup>3</sup>
	$W_A$ - Min. Eff. Window Area	5.14	cm <sup>2</sup>
	$s_a$ - Surface Area	105	cm <sup>2</sup>
	$m_{lt}$ - mean length per turn	7.75	cm
<b>Inductance</b>	$\mu_i$ (reference)	60	
	$A_L$ value (nominal)	138	nH/N <sup>2</sup>
	Test Winding	60 Turns	AWG# 18
	Frequency	10k	Hz
	Voltage on Agilent 4284A	0.61	V
AL tolerance	±8%		
<b>Core Loss</b>	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$		
	where $B_{pk}$ expressed in gauss, $f$ expressed in hertz, and: $a=2.288E+09$ , $b=1.502E+09$ , $c=3.344E+06$ , $d=1.782E-14$		
	$B_{pk}$	1000	G
	frequency	50 k	Hz
	Core Loss (nominal)	263	mW/cm <sup>3</sup>
Core Loss (maximum)	302	mW/cm <sup>3</sup>	
<b>DC Saturation</b>	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: $a=1.000E-02$ , $b=8.573E-08$ , $c=2.326$ , $d=0.000$		
	$H_{DC}$	100	Oe
	Percent Initial Perm(nom.)	72.3	%
Percent Initial Perm(min.)	63.0	%	
<b>Coating/Pkg</b>	Coating Type:	Blue Epoxy	
	Voltage Breakdown (min.)	1000 Vrms	
	Limit	0.1 mA, 5 s	
	Package Quantity	60 Pcs/Box	

Winding Table	Wire Size	AWG	8	10	12	14	16	18	20	22	24	26	28
		mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
Single Layer	Turns	19	24	31	39	49	62	78	97	122	152	190	
	Rdc(Ω)	3.0 m	6.1 m	12.5 m	25.0 m	50.0 m	100.5 m	201.2 m	397.8 m	795.8 m	1.6	3.1	
Full Winding	Turns	27	42	64	100	154	239	370	572	886	1,371	2,122	
	Rdc(Ω)	4.3 m	10.6 m	25.8 m	64.1 m	157.0 m	387.5 m	954.2 m	2.3	5.8	14.2	35.0	

